

List of the internships subjects available in this program

NB	SUBJECT TITLE	COORDINATOR	INSTITUTE
1	Characterization, by liquid state NMR and SPR, of the interactions with glycosaminoglycans of two chemokines involved in lymphocyte homeostasis.	Hugues Lortat Jacob et Yoan Monneau yoan.monneau@ibs.fr	IBS
2	Study of an essential protein complex involved in peptidoglycan biosynthesis	Viviana JOB Viviana.job@ibs.fr	IBS
3	Microbiota – A friend or foe? Serine Protease Inhibitors (Serpins from human gut microbiota as anti-inflammatory agents: functional studies)	Véronique ROSSI veronique.rossi@ibs.fr	IBS
4	Light-Driven Retinal Membrane Proteins for Optogenetic Control 5 Keywords to describe the project: microbial rhodopsins, structure, function, optogenetics	Valentin GORDELIY valentin.gordeliy@ibs.fr	IBS
5	Structural basis of Hepatitis C virus restriction through the inhibition of the viral replication complex by Viperin.	Pauline MACHEBOEUF pauline.macheboeuf@ibs.fr	IBS
6	Search for early predictive biomarkers of preeclampsia: Feasibility study	Nadia ALFAIDY Nadia.alfaidy-benharouga@cea.fr	iRTSV / BIG
7	Structure-based identification of new anti-oncogenic molecular entities and characterization of their bioactivity in human cells	Marie-Odile FAUVARQUE mofauvarque@cea.fr	iRTSV / BIG
8	Structural characterization of <i>Polycomb</i> repressive complex	Marco MARCIA mmarcia@embl.fr	EMBL
9	Tagging and isolation of chloroplasts in wild type and albino mutant plants of Arabidopsis.	Livia MERENDINO livia.merendino@cea.fr	iRTSV / BIG
10	Structural characterisation of the nucleotide excision repair pathway from <i>D. radiodurans</i>	Joanna TIMMINS Joanna.timmins@ibs.fr	IBS
11	Biophysical and structural studies of the first prokaryotic NADPH oxidase, SpNox.	Jérome DUPUY jerome.dupuy@ibs.fr	IBS
12	Large complex structure determination using atomic force microscopy topography	Jean Luc PELLEQUER jlpelequer@cea.fr	IBS
13	Structural and functional analysis of the Non-Specific Lethal complex.	Jan KADLEC jan.kadlec@ibs.fr	IBS
14	Visualisation of bacterial nanocompartments inside the cell	Irina GUTSCHE irina.gutsche@ibs.fr	IBS
15	Structure/Function Relationships of an unprecedented C-methyltransferase involved in the synthesis of the thiopeptide antibiotic nosiheptide.	Yvain NICOLET yvain.nicolet@ibs.fr	IBS
16	Probing the structure of an HIV-1 ribonucleoprotein complex by mass spectrometry	Elisabetta Boeri Erba elisabetta.boeri-erba@ibs.fr	IBS
17	Developments in cryo-electron microscopy and tomography applied to the structural analysis of host-pathogen interaction targets	Hélène MALET helene.malet@ibs.fr	IBS

18	Novel metalloproteases in DNA damage repair	Maxim BALAKIREV et Max NANAO maxim.balakirev@cea.fr	iRTSV / BIG et ESRF
19	POST-TRANSCRIPTIONAL REGULATION OF THE LEAFY FLORALTRANSCRIPTION FACTOR	Gabrielle TICHTINSKY Gabrielle.tichtinsky@cea.fr	iRTSV/BIG
20	Thermo-OLD (Evolutionary biochemistry, ancestral protein resurrection)	Dominique MADERN Dominique.Madern@ibs.fr	IBS
21	Development of fluorescent proteins for super-resolution microscopy	Dominique BOURGEOIS dominique.bourgeois@ibs.fr	IBS
22	Viral inhibition of innate immune signalling via ISGF3 transcription factor hijacking	Daniel PANNE panne@embl.fr	EMBL
23	Characterization of physical interaction between antagonistic chromatin regulators	Christel CARLES Christel.carles@ujf-grenoble.fr	iRSTV/ BIG
24	Functional and structural studies of influenza D replication machinery	Thibaut CREPIN/Rob RUIGROK crepin@embl.fr	IBS
25	Improvement of membrane protein complex crystallisation by co-crystallisation with Lama nanobodies.	Cécile BREYTON Cecile.Breyton@ibs.fr	IBS
26	Biosynthesis of pneumococcal cell wall teichoic acids: functional and structural study of a widespread family of key enzymes	Anne Marie DI GUILMI anne-marie.di-guilmi@ibs.fr	IBS
27	Directed evolution of molecular decoys that block viral polymerase assembly	Darren HART darren.hart@ibs.fr	IBS
28	Light signaling and acclimation in green microalgae	Dimitris PETROUTSOS dimitris.petroutsos@cea.fr	iRTSV / BIG
29	Exploring the adaptation of extreme halophile archaea to salt fluctuations.	Pierre VAUCLARE pierre.vauclare@ibs.fr	IBS
30	regulation of microalga photosynthesis by ion fluxes in the chloroplast	Giovanni FINAZZI giovanni.finazzi@cea.fr	iRTSV / BIG
31	Mechanism of poxvirus DNA replication	Wim BURMEISTER wim.burmeister@ujf-grenoble.fr	IBS